COTS MEMS
Advances in Applying Integrated Commercial Off-The-Shelf MicroElectroMechanical Systems
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(Knowledge Foundation)

Conference Chair:

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MicroElectroMechanical Systems (MEMS) is a rapidly growing, exciting technology, slated to reach a significant commercial market in the automobile, space, biological, and mechanical industries early in the new millennium. This innovative conference provides a forum for presentation and discussion of recent advances to facilitate the development of COTS MEMS relating to various critical applications in, but not limited to these market sectors, and initiates a constructive stimulant and proactive dialogue between industry, government laboratories and academia, about the issues and challenges associated with developing and integrating viable commercial off-the-shelf MEMS products. Program coverage includes:

Commercial-Off-The-Shelf MicroElectroMechanical Systems and Devices for Critical Applications
- Single Crystal Silicon Technologies
- Biomedical Microfluidic Systems
- Performance-Oriented Sensor Applications
- Thin-Film Shape-Memory Alloy Technology
- Principles and Applications of a Digital Micromirror Device

Commercial-Off-The-Shelf MEMS Software Packages
- Methodologies for Rapid MEMS Device Development and Package Design

MicroElectroMechanical Integration Strategies
- New Directions in Integrated Microsystems Technology
- COTS MEMS in Atmospheric Observing Systems
- Microfluidic and MEMS Platforms for Diagnostic and Drug Discovery Technologies

Reliability and Quality Assurance of COTS MEMS
- Reliability Issues of COTS MEMS for Automobile, Medical Device and Aerospace Applications
- Design for Reliability of MEMS for Lightwave Telecommunications
- Test Development Principles for MEMS Devices
- Hermetic Packaging of COTS MEMS Market Opportunities and Applications
- Silicon Carbide-Based Microsystems for Harsh Environments
- A Consortium Approach to Accelerating MEMS Commercialization

As many governments are investing in the development of MEMS a significant market awaits those industries that are able to capitalize on this urgent need for off-the-shelf sensor devices. This conference provides a one of a kind opportunity for you to hear from many of the industry's leading experts working to rapidly and cost-effectively bring MEMS products to market. Please take a few moments to review the comprehensive program agenda and then

Hear Presentations from the Leading Developers of MEMS Technologies for Commercial Off-the-Shelf Devices :

• Alberta Microelectronic Corp. • ACLARA BioSciences, Inc. • Air Force Research Laboratory • Bell Labs, Lucent Technologies • Berkeley Sensor & Actuator Center, University of California at Berkeley • Cepheid • DARPA • Endevco • Glennan Microsystems Initiative • IntelliSense Corporation • Jet Propulsion Laboratory • Lucas NovaSensor, Inc. • MEMSCAP S.A. • Microelectronics & Computer Technology Corp. • Microcosm Technologies, Inc. • Motorola • National Center for Atmospheric Research • Texas Instruments • TiNi Alloy Company

More details on the conference: http://www.knowledgefoundation.com/cotsmems.html